

CLAIM AMENDMENTS

Claim 1. (cancelled) .
Claim 2. (cancelled) .
Claim 3. (cancelled) .
Claim 4. (cancelled) .
Claim 5. (cancelled) .
Claim 6. (cancelled) .
Claim 7. (cancelled) .
Claim 8. (cancelled) .
Claim 9. (cancelled) .
Claim 10. (cancelled) .
Claim 11. (cancelled) .
Claim 12. (cancelled) .

1 13. (currently amended) A pallet orienting apparatus
2 for orienting planar pallets in a return lane of a live storage
3 system, comprising:
4 pallet receiving means for receiving a plurality of
5 pallets;
6 means for mounting said pallet receiving means for
7 movement thereof between a pallet-receiving position in which a
8 number of pallets oriented in substantially upright planes may be

9 placed in the pallet receiving means to form a row of pallets, and
10 a pallet-delivery position wherein the pallets are presented as a
11 stack of pallets with each pallet in a generally horizontal plane;
12 and a drive for moving the pallet-receiving means between the
13 pallet-receiving position and the pallet-delivery position
14 The pallet orienting apparatus defined in claim 9 wherein said
15 drive means is being constructed and operated to place the pallet-
16 receiving means in its pallet-delivery position by moving a guard
17 into a position to prevent access to the apparatus.

1 14. (currently amended) The pallet orienting apparatus
2 defined in claim 13 wherein said drive means is operated to place
3 the pallet-receiving means in its pallet-delivery position by
4 moving a guard into a position to permit access to the apparatus.

Claim 15. (cancelled).

Claim 16. (cancelled).

1 17. (currently amended) A pallet orienting apparatus for
2 orienting planar pallets in a return lane of a live storage system,
3 comprising:
4 pallet receiving means for receiving a plurality of
5 pallets;

6 means for mounting said pallet receiving means for
7 movement thereof between a pallet-receiving position in which a
8 number of pallets oriented in substantially upright planes may be
9 placed in the pallet receiving means to form a row of pallets, and
10 a pallet-delivery position wherein the pallets are presented as a
11 stack of pallets with each pallet in a generally horizontal plane;
12 and the pallet-receiving means being releasably retainable in the
13 pallet-receiving position by a first latching arrangement and
14 The pallet orienting apparatus defined in claim 1 ~~15~~ wherein the
15 pallet-receiving means is releasably retainable in the pallet-
16 receiving position by a second latching arrangement.

1 18. (original) The pallet orienting apparatus defined
2 in claim 17 wherein the second latching arrangement comprises a
3 latching element provided on the supporting structure and a detent
4 on the pallet-receiving means.

1 19. (original) The pallet orienting apparatus defined
2 in claim 18 wherein said pallet-receiving means is releasably
3 retainable in the pallet-receiving position by a first latching
4 arrangement and wherein the first and second latching arrangements
5 each comprise a respective latching element provided on the

6 supporting structure and a common detent provided on the pallet-
7 receiving means.

Claim 20 (cancelled).

1 21. (currently amended) A pallet orienting apparatus
2 for orienting planar pallets in a return lane of a live storage
3 system, comprising:

4 pallet receiving means for receiving a plurality of
5 pallets;

6 means for mounting said pallet receiving means for
7 movement thereof between a pallet-receiving position in which a
8 number of pallets oriented in substantially upright planes may be
9 placed in the pallet receiving means to form a row of pallets, and
10 a pallet-delivery position wherein the pallets are presented as a
11 stack of pallets with each pallet in a generally horizontal plane;
12 and the pallet-receiving means being mounted to a supporting
13 structure for pivoting movement, and the movement between the
14 pallet-receiving position and the pallet-delivery position
15 comprises rotation about a horizontal axis The pallet orienting
16 apparatus defined in claim 3 wherein the position of the pivot axis
17 is being so selected that, when the pallet-receiving means is empty
18 the pallet receiving means tends to rotate under its self-weight
19 towards the pallet-receiving position and when the pallet-receiving

20 means is loaded with pallets, the position of the combined center
21 of gravity of the pallet receiving means and pallets causes the
22 pallet-receiving means to rotate towards the pallet-delivery
23 position.

1 22. (original) The pallet orienting apparatus defined
2 in claim 21 wherein counterbalancing weights or springs are
3 provided to ensure that the pallet-receiving means rotates to its
4 respective loading and unloading positions when empty and filled.

Claim 23. (cancelled).

1 24. (original) The pallet orienting apparatus defined
2 in claim 18 wherein the pallet-receiving means comprises a base
3 frame for engaging an edge of a pallet in the pallet-receiving
4 position, and a back frame arranged perpendicular to the base frame
5 for engaging an undersurface of a pallet in the pallet delivery
6 position.

1 25. (original) The pallet orienting apparatus defined
2 in claim 24 wherein the base frame and back frame are formed as an
3 open framework structure.

1 26. (original) The pallet orienting apparatus defined
2 in claim 24 wherein the base frame and back frame are formed as
3 panels.

1 27. (original) The pallet orienting apparatus defined
2 in claim 24 wherein the base frame and back frame are formed as
3 solid panels.

1 28. (original) The pallet orienting apparatus defined
2 in claim 24 wherein the base frame and back frame are formed as a
3 load-bearing framework with a covering of mesh panels.

Claim 29. cancelled.

Claim 30. cancelled.

Claim 31. cancelled.

Claim 32. cancelled.

Claim 33. cancelled.

Claim 34. cancelled.

1 35. (original) A pallet live storage system comprising
2 a supply lane for loaded pallets and a return lane for empty
3 pallets, wherein the return lane is provided with pallet orienting
4 apparatus comprising pallet-receiving means movable between a

5 pallet-receiving position in which a number of pallets oriented in
6 substantially upright planes may be placed in the receiving means
7 to form a row of pallets, and a pallet-delivery position wherein
8 the pallets are presented as a stack of pallets with each pallet in
9 a generally horizontal plane; and ramps are provided in the return
10 lane, The pallet live storage system defined in claim 32 wherein
11 the ramps are being mounted to the pallet-receiving means and move
12 moving therewith.

Claim 36, cancelled.

Claim 37, cancelled.

Claim 38, cancelled.

Claim 39, cancelled.

Claim 40, cancelled.

Claim 41, cancelled.